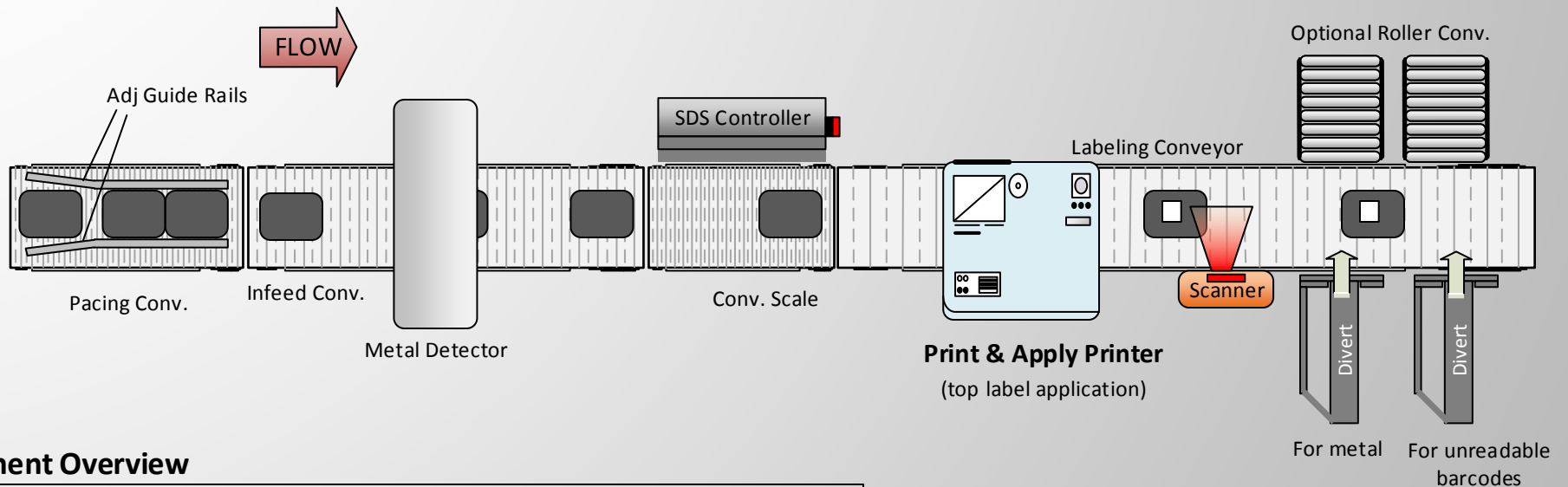


# Weigh Price Labeling with Metal Detection and Scanning

*Overview: Packages are evenly spaced before they proceed through a metal detector. The packages then move onto a conveyor scale where a weight is acquired and sent to the downline printer. The printer will print a weigh price label and apply it to the top of the package. A scanner will check for readable barcodes. Two separate diverts will then remove packages for metal contamination and unreadable labels.*



## Component Overview

**Pacing Conveyor** – Adjustable guide rails assist in bunching up the products via a squeezing action. The pacing conveyor is also running at a slower speed than customer's conveyor. Packages are presented to the Infeed Conv in a front-to-back arrangement.

**Infeed Conveyor** – This conveyor is running at a faster speed than pacing conveyor, thereby creating a gap for proper presentation to metal detector, conveyor scale & labeler.

**Metal Detector** – Checks each package for metal

**Conveyor Scale** – Weighs each package

**SDS Controller** – Stores the weight of each package and controls all system functions

**Labeling Conveyor** – Transports boxes past the Printer, Scanner & Diverts

**Printer & Label Applicator** – Prints weight and other information on label; then applies label to top of the package

**Scanner** - Verifies readable barcodes on the package

**Divert** – First divert removes metal containing packages

**Divert** – Second divert removes unscannable labels from line for rework